



Building Permit Application

Howard County Maryland
Department of Inspections, Licenses and Permits
3430 Court House Drive
Permits: 410-313-2455
www.howardcountymd.gov

NOV 21 2012

Date Received: LICENSES & PERMITS DIVISION

Permit No.: B12003829

Building Address: 2983 Doug 11 RD.
 City: Woodbine State: MD Zip Code: 21797
 Suite/Apt. # N4 SDP/WP/BA #: N4
 Census Tract: _____ Subdivision: Rivers Farm
 Section: _____ Area: _____ Lot: 17
 Tax Map: 13 Parcel: 096 Grid: _____
 Zoning: _____ Map Coordinates: _____ Lot Size: 1.813

Property Owner's Name: Curtis Cumberland
 Address: 16391 A.E. Mullinix Rd
 City: Woodbine State: MD Zip Code: 21797
 Phone: 301 252-1122 Fax: _____
 Email: CCumbe5437@gmail.com

Applicant's Name & Mailing Address, (if other than stated herein)
 Applicant's Name: Same as above
 Address: _____
 City: _____ State: _____ Zip Code: _____
 Phone: _____ Fax: _____
 Email: _____

Existing Use: Vacant lot
 Proposed Use: New SFD
 Estimated Construction Cost: \$ 250,000.
 Description of Work: New 2 story SFD

Contractor Company: Cumberland Devp. Corp.
 Contact Person: Curtis Cumberland
 Address: 16391 A.E. Mullinix Rd
 City: Woodbine State: MD Zip Code: 21797
 License No.: 2042
 Phone: 301 252-1122 Fax: _____
 Email: CCUMBE5437@gmail.com

Occupant or Tenant: Curtis Cumberland
 Was tenant space previously occupied? Yes No
 Contact Name: Curtis Cumberland
 Address: 16391 A.E. Mullinix Rd
 City: Woodbine State: MD Zip Code: 21797
 Phone: 301 252-1122 Fax: _____
 Email: CCumbe5437@gmail.com

Engineer/Architect Company: Charles R. Crocker Ass.
 Responsible Design Prof.: _____
 Address: 902 Lee Ave.
 City: Syersville State: MD Zip Code: _____
 Phone: 410 549 2708 Fax: _____
 Email: _____

Commercial Building Characteristics	Residential Building Characteristics	
Height:	<input checked="" type="checkbox"/> SF Dwelling <input type="checkbox"/> SF Townhouse	
No. of stories:	Depth	Width
Gross area, sq. ft./floor:	1 st floor: <u>60'</u>	<u>70'</u>
Area of construction (sq. ft.):	2 nd floor: <u>60'</u>	<u>70'</u>
Use group:	Basement: <u>60'</u>	<u>70'</u>
Construction type:	<input type="checkbox"/> Finished Basement <input checked="" type="checkbox"/> Unfinished Basement <input type="checkbox"/> Crawl Space <input type="checkbox"/> Slab on Grade	
<input type="checkbox"/> Reinforced Concrete	No. of Bedrooms: <u>4</u>	
<input type="checkbox"/> Structural Steel	<u>Multi-family Dwelling</u>	
<input type="checkbox"/> Masonry	No. of efficiency units:	
<input type="checkbox"/> Wood Frame	No. of 1 BR units:	
<input type="checkbox"/> State Certified Modular	No. of 2 BR units:	
	No. of 3 BR units:	
	Other Structure:	
	Dimensions:	
	Footings:	
	Roof:	
	<input type="checkbox"/> State Certified Modular	
	<input type="checkbox"/> Manufactured Home	

Utilities	
Water Supply	
<input type="checkbox"/> Public	
<input checked="" type="checkbox"/> Private	
Sewage Disposal	
<input type="checkbox"/> Public	
<input checked="" type="checkbox"/> Private	
Electric: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Gas: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Heating System	
<input checked="" type="checkbox"/> Electric <input type="checkbox"/> Oil	
<input type="checkbox"/> Natural Gas <input checked="" type="checkbox"/> Propane Gas	
<input type="checkbox"/> Other:	
Sprinkler System:	
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Grading Permit Number: <u>G12000330</u>	
Building Shell Permit Number:	

THE UNDERSIGNED HEREBY CERTIFIES AND AGREES AS FOLLOWS: (1) THAT HE/SHE IS AUTHORIZED TO MAKE THIS APPLICATION; (2) THAT THE INFORMATION IS CORRECT; (3) THAT HE/SHE WILL COMPLY WITH ALL REGULATIONS OF HOWARD COUNTY WHICH ARE APPLICABLE THERETO; (4) THAT HE/SHE WILL PERFORM NO WORK ON THE ABOVE REFERENCED PROPERTY NOT SPECIFICALLY DESCRIBED IN THIS APPLICATION; (5) THAT HE/SHE GRANTS COUNTY OFFICIALS THE RIGHT TO ENTER ONTO THIS PROPERTY FOR THE PURPOSE OF INSPECTING THE WORK PERMITTED AND POSTING NOTICES.

Applicant's Signature: Curtis Cumberland Print Name: Cumberland, Curtis
 Email Address: CCUMBE5437@gmail.com Date: 11-21-12
 Title/Company: President

Checks Payable to: DIRECTOR OF FINANCE OF HOWARD COUNTY

PLEASE WRITE NEATLY & LEGIBLY
 FOR OFFICE USE ONLY

AGENCY	DATE	SIGNATURE OF APPROVAL
<input checked="" type="checkbox"/> State Highways		
<input checked="" type="checkbox"/> Building Officials		
<input checked="" type="checkbox"/> PSZA (Zoning)		
<input checked="" type="checkbox"/> PSZA (Engineering)		
<input checked="" type="checkbox"/> Health		<u>12/14/12 RB</u>

Is Sediment Control approval required for issuance? Yes No
 CONTINGENCY CONSTRUCTION START

DPZ SETBACK INFORMATION	
Front:	
Rear:	
Side:	
Side St.:	
All minimum setbacks met?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Is Entrance Permit Required?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Historic District?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Lot Coverage for New Town Zone:	
SDP/Red-line approval date:	

Filing Fee	\$ 100.00
Permit Fee	\$
Tech Fee	\$
Excise Tax	\$
PSFS	\$
Guaranty Fund	\$ 50.00
Add'l per Fee	\$
Total Fees	\$
Sub-Total Paid	\$
Balance Due	\$
Check	# 100

Permits: 410-313-2455
 Inspections: 410-313-1810
 Automated Line: 410-313-3800

Howard County Building/Fire Permit Application
 Department of Inspections, Licenses & Permits
 3430 Court House Drive
 Ellicott City, MD 21043

Permit Number:

B1102142

2983

Building Address: 2983 Durnell Rd
Chesapeake MD 21797

Suite/Apt. # _____ SDP/WP/BA #: _____

Census Tract: _____ Subdivision: River Farm

Section: _____ Area: _____ Lot: 17

Tax Map: _____ Parcel: _____ Grid: _____

Zoning: _____ Map Coordinates: _____ Lot Size: 1.293

Property Owner's Name: Curtis Cumberland

Address: 2261 Durnell Rd.

City: Chesapeake State: MD Zip Code: 21797

Home Phone: 301-252-1122 Work Phone: _____

Applicant's Name & Mailing Address, (If other than stated herein):

Phone: _____ Fax: _____

Email: _____

Existing Use: FD

Proposed Use: FD with garage attached

Estimated Construction Cost: \$ 40,000

Description of Work: 3 car garage attached

Contractor Company: Owner

Contact Person: Sara

Address: _____

City: _____ State: _____ Zip Code: _____

License No.: _____

Phone: _____ Fax: _____

Email: _____

Occupant or Tenant: _____

Was tenant space previously occupied? Yes No

Contact Name: _____

Address: _____

City: _____ State: _____ Zip Code: _____

Phone: _____ Fax: _____

Email: _____

Engineer/Architect Company: _____

Responsible Design Prof.: _____

Address: _____

City: _____ State: _____ Zip Code: _____

Phone: _____ Fax: _____

Email: _____

BUILDING DESCRIPTION - COMMERCIAL

Building Characteristics	Utilities
Height:	<u>Water Supply</u>
No. of stories:	<input type="checkbox"/> Public
Gross area, sq. ft./floor:	<input type="checkbox"/> Private
	<u>Sewage Disposal</u>
Area of construction (sq. ft.):	<input type="checkbox"/> Public
	<input type="checkbox"/> Private
Use group:	Electric: <input type="checkbox"/> Yes <input type="checkbox"/> No
	Gas: <input type="checkbox"/> Yes <input type="checkbox"/> No
<u>Construction type:</u>	<u>Heating System</u>
<input type="checkbox"/> Reinforced Concrete	<input type="checkbox"/> Electric <input type="checkbox"/> Oil
<input type="checkbox"/> Structural Steel	<input type="checkbox"/> Natural Gas <input type="checkbox"/> Propane Gas
<input type="checkbox"/> Masonry	<u>Sprinkler System:</u>
<input type="checkbox"/> Wood Frame	<input type="checkbox"/> N/A
<input type="checkbox"/> State Certified Modular	<input type="checkbox"/> Full
<input checked="" type="checkbox"/> Roadside Tree Project Permit	<input type="checkbox"/> Partial
<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Other Suppression
Roadside Tree Project Permit #	No. of Heads:

BUILDING DESCRIPTION - RESIDENTIAL

Building Characteristics	Utilities
<input type="checkbox"/> SF Dwelling <input type="checkbox"/> SF Townhouse	<u>Water Supply</u>
<u>Depth</u> <u>Width</u>	<input type="checkbox"/> Public
1 st floor: <u>50</u> <u>38</u>	<input checked="" type="checkbox"/> Private
2 nd floor:	<u>Sewage Disposal</u>
Basement:	<input type="checkbox"/> Public
<input type="checkbox"/> Finished Basement	<input type="checkbox"/> Private
<input type="checkbox"/> Unfinished Basement	Electric: <input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Crawl Space	Gas: <input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Slab on Grade	<u>Heating System</u>
No. of Bedrooms: <u>N/A</u>	<input type="checkbox"/> Electric
<u>Multi-family Dwelling</u>	<input type="checkbox"/> Oil
No. of efficiency units:	<input type="checkbox"/> Natural Gas
No. of 1 BR units:	<input type="checkbox"/> Propane Gas
No. of 2 BR units:	
No. of 3 BR units:	
Other Structure:	
Dimensions:	<input checked="" type="checkbox"/> Roadside Tree Project Permit
Footings:	<input type="checkbox"/> Yes <input type="checkbox"/> No
Roof:	<u>Roadside Tree Project Permit #</u>
<input type="checkbox"/> State Certified Modular	
<input type="checkbox"/> Manufactured Home	

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Applicant's Signature: Curtis Cumberland

Email Address: cumberland5432@gmail.com

Title/Company: _____

Print Name: Curtis Cumberland

Date: 4-25-11

Checks Payable to: DIRECTOR OF FINANCE OF HOWARD COUNTY
 PLEASE WRITE NEATLY & LEGIBLY
 -FOR OFFICE USE ONLY-

AGENCY	DATE	SIGNATURE OF APPROVAL
State Highways		
Building Officials		
PSZA (Zoning)		
PSZA (Engineering)		
Health	<u>5/18/11</u>	<u>Sharon Spota</u>
Fire Protection		

DPZ SETBACK INFORMATION
Front:
Rear:
Side:
Side St.:
All minimum setbacks met? <input type="checkbox"/> Yes <input type="checkbox"/> No
Is Entrance Permit Required? <input type="checkbox"/> Yes <input type="checkbox"/> No
Historic District? <input type="checkbox"/> Yes <input type="checkbox"/> No
Lot Coverage for New Town Zone:
SDP/Red-line approval date:

Filing Fee	\$
Permit Fee	\$
Tech Fee	\$
Excise Tax	\$
PSFS	\$
Guaranty Fund	\$
Add'l per Fee	\$
Total Fees	\$
Sub- Total Paid	\$
Balance Due	\$

Distribution of Copies: White: Building Officials Green: PSZA,Zoning Yellow: PSZA,Engineering Pink: Health Gold: SHA



Building Permit Application

Howard County Maryland
Department of Inspections, Licenses and Permits
3430 Court House Drive
Permits: 410-313-2455
www.howardcountymd.gov

Date Received: 4-11-13

Permit No.: B13001381

Building Address: 2983 Duvall Rd
 City: Woodbine State: MD Zip Code: 21797
 Suite/Apt. #: _____ SDP/WP/BA #: _____
 Census Tract: _____ Subdivision: _____
 Section: _____ Area: _____ Lot: 17
 Tax Map: 13 Parcel: 96 Grid: 18
 Zoning: _____ Map Coordinates: _____ Lot Size: 1.8 AC

Property Owner's Name: Curtis & Marianne Cumber
 Address: PO Box 448
 City: Wishart State: MD Zip Code: 21765
 Phone: _____ Fax: _____
 Email: _____

Applicant's Name & Mailing Address, (if other than stated herein)
 Applicant's Name: Jeremy Clancy
 Address: PO Box 1253
 City: Sullesville State: MD Zip Code: 21784
 Phone: 410-334-1234
 Email: Jeremy@appliedandapproved.com

Existing Use: SDP
 Proposed Use: SDP w/ Tank
 Estimated Construction Cost: \$ 4,000
 Description of Work: Install 500 gal In Ground Propane tank.

Contractor Company: Valley National Gas
 Contact Person: William Gerwig
 Address: 7001 Montevideo Rd
 City: Jessup State: MD Zip Code: 20794
 License No.: 67793
 Phone: _____ Fax: _____
 Email: _____

Occupant or Tenant: Owner
 Was tenant space previously occupied? Yes No
 Contact Name: _____
 Address: _____
 City: _____ State: _____ Zip Code: _____
 Phone: _____ Fax: _____
 Email: _____

Engineer/Architect Company: Contractor
 Responsible Design Prof.: _____
 Address: _____
 City: _____ State: _____ Zip Code: _____
 Phone: _____ Fax: _____
 Email: _____

Commercial Building Characteristics	Residential Building Characteristics	
Height:	<input type="checkbox"/> SF Dwelling <input type="checkbox"/> SF Townhouse	
No. of stories:	Depth	Width
Gross area, sq. ft./floor:	1 st floor:	
	2 nd floor:	
Area of construction (sq. ft.):	Basement:	
	<input type="checkbox"/> Finished Basement	
Use group:	<input type="checkbox"/> Unfinished Basement	
	<input type="checkbox"/> Crawl Space	
Construction type:	<input type="checkbox"/> Slab on Grade	
<input type="checkbox"/> Reinforced Concrete	No. of Bedrooms:	
<input type="checkbox"/> Structural Steel	Multi-family Dwelling	
<input type="checkbox"/> Masonry	No. of efficiency units:	
<input type="checkbox"/> Wood Frame	No. of 1 BR units:	
<input type="checkbox"/> State Certified Modular	No. of 2 BR units:	
	No. of 3 BR units:	
	Other Structure:	
	Dimensions:	
<input checked="" type="checkbox"/> Roadside Tree Project Permit	Footings:	
<input type="checkbox"/> Yes <input type="checkbox"/> No	Roof:	
<input type="checkbox"/> Roadside Tree Project Permit #:	<input type="checkbox"/> State Certified Modular	
	<input type="checkbox"/> Manufactured Home	

Utilities	
Water Supply	
<input type="checkbox"/> Public	
<input checked="" type="checkbox"/> Private	
Sewage Disposal	
<input type="checkbox"/> Public	
<input checked="" type="checkbox"/> Private	
Electric: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Gas: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Heating System	
<input type="checkbox"/> Electric <input type="checkbox"/> Oil	
<input type="checkbox"/> Natural Gas <input type="checkbox"/> Propane Gas	
<input type="checkbox"/> Other:	
Sprinkler System:	
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Grading Permit Number: _____	
Building Shell Permit Number: _____	

THE UNDERSIGNED HEREBY CERTIFIES AND AGREES AS FOLLOWS: (1) THAT HE/SHE IS AUTHORIZED TO MAKE THIS APPLICATION; (2) THAT THE INFORMATION IS CORRECT; (3) THAT HE/SHE WILL COMPLY WITH ALL REGULATIONS OF HOWARD COUNTY WHICH ARE APPLICABLE THERETO; (4) THAT HE/SHE WILL PERFORM NO WORK ON THE ABOVE REFERENCED PROPERTY NOT SPECIFICALLY DESCRIBED IN THIS APPLICATION; (5) THAT HE/SHE GRANTS COUNTY OFFICIALS THE RIGHT TO ENTER ONTO THIS PROPERTY FOR THE PURPOSE OF INSPECTING THE WORK PERMITTED AND POSTING NOTICES.

Applicant's Signature: [Signature] Print Name: Jeremy Clancy
 Email Address: Permits Date: _____
 Title/Company: _____

4/11/13 RECEIVED
APR 11 2013
LICENSES & PERMITS DIVISION

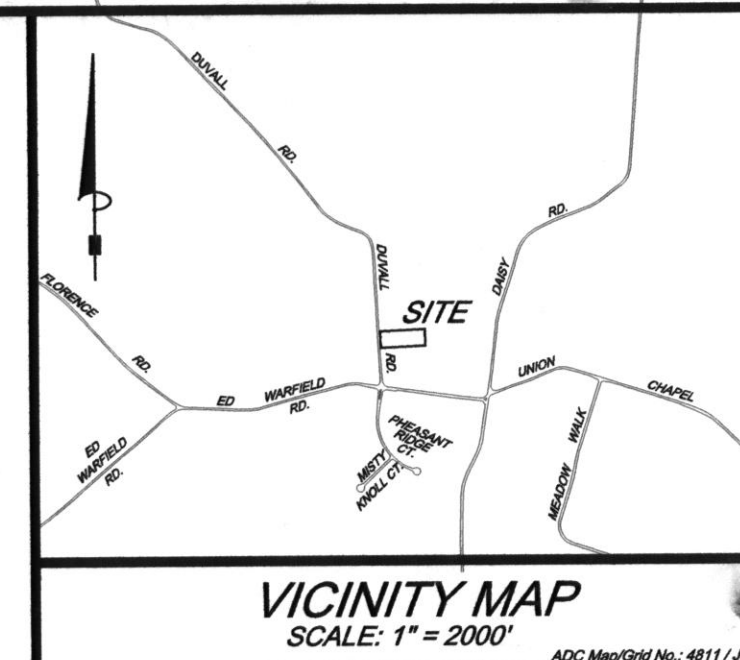
*Checks Payable to: DIRECTOR OF FINANCE OF HOWARD COUNTY
 PLEASE WRITE NEATLY & LEGIBLY
 FOR OFFICE USE ONLY

AGENCY	DATE	SIGNATURE OF APPROVAL
State Highways		
Building Officials		
PSZA (Zoning)		
PSZA (Engineering)		
Health	<u>4/11/13</u>	<u>[Signature]</u>
Is Sediment Control approval required for issuance? <input type="checkbox"/> Yes <input type="checkbox"/> No		
<input type="checkbox"/> CONTINGENCY CONSTRUCTION START		

DPZ SETBACK INFORMATION
Front:
Rear:
Side:
Side St.:
All minimum setbacks met? <input type="checkbox"/> Yes <input type="checkbox"/> No
Is Entrance Permit Required? <input type="checkbox"/> Yes <input type="checkbox"/> No
Historic District? <input type="checkbox"/> Yes <input type="checkbox"/> No
Lot Coverage for New Town Zone:
SDP/Red-line approval date:

Filing Fee	\$
Permit Fee	\$
Tech Fee	\$
Excise Tax	\$
PSFS	\$
Guaranty Fund	\$
Add'l per Fee	\$ <u>110</u>
Total Fees	\$
Sub-Total Paid	\$
Balance Due	\$
Check	# <u>338</u>

SOILS LEGEND		
SYMBOL	NAME/DESCRIPTION	SOIL GROUP
GgA	Glenelg loam, 8 to 15 percent slopes	B
GgB	Glenelg loam, 8 to 15 percent slopes	B



REQUIRED SEQUENCE OF CONSTRUCTION (SINGLE FAMILY LOT)

1. OBTAIN GRADING PERMIT (1-DAY)
2. CLEAR AND GRUB FOR INSTALLATION OF TEMPORARY SEDIMENT CONTROL MEASURES, SILT FENCE AND STONE CONSTRUCTION ENTRANCE. (1/2 DAY)
3. INSTALL TEMPORARY SEDIMENT CONTROL MEASURES (1/2 DAY)
4. UPON APPROVAL OF SEDIMENT CONTROL INSPECTOR CLEAR AND GRUB SITE FOR CONSTRUCTION OF DWELLING, DRIVEWAY AND WALKS. (1 DAY)
4. GRADE SITE AND CONSTRUCT DWELLING, DRIVEWAY AND WALKS PER APPROVED PLAN (12 - WEEKS)
5. STABILIZE ALL DISTURBED AREAS WITH SEED AND MULCH PER SCS STANDARDS. (2 DAYS)
6. UPON APPROVAL OF THE SEDIMENT CONTROL INSPECTOR REMOVE ALL TEMPORARY SEDIMENT CONTROL MEASURES AND STABILIZE ALL DISTURBED AREAS PER SCS STANDARDS. (2 DAYS)

GENERAL NOTES:

1. OWNERS: CURTIS CUMBERLAND
MARYANNE CUMBERLAND
DEED REFERENCE, LIBER 12273, FOLIO 310
DATE, JANUARY 25, 2010
GRANTOR, CURTIS CUMBERLAND
2. TAX MAP 013, GRID 18, PARCEL 096
3. THE BOUNDARY SHOWN HEREON IS BASED UPON CURRENT TITLE DEED.
4. NEAREST PUBLIC WATER SUPPLY, DAMASCUS, DISTANCE 5 MILES * THERE IS NO 100 YEAR FLOOD PLAIN LOCATED ON THIS PROPERTY BASED ON FEMA INSURANCE RATE MAP COMMUNITY PANEL #240044-00019 B, 12/4/86.
5. TOPOGRAPHY SHOWN HEREON IS FROM HOWARD COUNTY GIS DATA, DATUM IS NAVD88 AND CONTOUR INTERVAL IS 2 FT. FIELD CHECKED BY CRC & ASSOC.
6. THERE ARE NO WELLS OR SEPTIC SYSTEMS WITHIN 100 FT OF THE SUBJECT PROPERTY UNLESS OTHERWISE SHOWN HEREON.
7. EXISTING WELLS SHOWN HEREON HAVE BEEN FIELD LOCATED.
8. SUBJECT PROPERTY IS ZONED RC-DEO.
9. THE SUBJECT PROPERTY SHOWN HEREON IS NOT SUBJECT TO ANY ZONING CASES VARIANCES OR SPECIAL EXCEPTIONS.
10. STORMWATER MANAGEMENT FOR THE SUBJECT PROPERTY SHOWN HEREON HAS BEEN SATISFIED BY TAKING CREDIT FOR DISCONNECTED ROOF TOP AND NON-ROOF TOP RUNOFF IN ACCORDANCE WITH MDE STORM WATER DESIGN MANUAL VOL. 1, SEC. 5.1 AND MDE ENVIRONMENTAL SITE DESIGN (ESD), THE HOWARD CO. DESIGN MANUAL, VOL. 1, CHAPTER 5 REVISED AND THE HOWARD CO. DESIGN ESDV ON SMALL PROJECTS.
12. THIS PROJECT IS EXEMPT FROM THE REQUIREMENTS OF FOREST CONSERVATION IN ACCORDANCE WITH SECTION 16.1202(B)(2)(A) OF THE HOWARD COUNTY SUBDIVISION REGULATIONS, SINCE THE TOTAL CUTTING, CLEARING OR GRADING OF FOREST RESOURCES IS LESS THAN 20,000 SQUARE FEET, AND THE FOREST RESOURCES AFFECTED BY THE DEVELOPMENT ARE NOT SUBJECT TO A PREVIOUSLY APPROVED FOREST CONSERVATION PLAN.
13. APPROVAL OF THIS SIMPLIFIED ECP DOES NOT CONSTITUTE AN APPROVAL OF ANY SUBSEQUENT AND ASSOCIATED SUBDIVISION, SITE DEVELOPMENT PLAN AND/OR PERMITS.
14. EXISTING WELL HO-85-1884 SHOWN HEREON HAS BEEN FIELD LOCATED AND SHOWN ACCURATELY.

SEPTIC SYSTEM DATA

HOUSE	
INV. AT HOUSE	102.00
SEPTIC TANK	
EX. GRADE	103.74
FIN. GRADE	103.74
INV. IN	101.40
INV. OUT	101.24
DISTRIBUTION BOX	
EX. GRADE	104.00
FIN. GRADE	104.00
INV. IN	100.74
INV. OUT	100.66

THE NUMBER OF TRENCHES, THEIR LENGTH, DEPTH, AND ORIENTATION TO BE DETERMINED BY HEALTH DEPARTMENT.

Approved Septic System Plan
Howard County Health Department
812003829
4-Bedroom SFD approved as shown
R. Bickel
Signature
12/14/2012
Date

OPERATION AND MAINTENANCE SCHEDULE FOR RAINGARDEN

- A. MAINTENANCE OF PLANT MATERIAL, MULCH LAYER AND SOIL LAYER IS REQUIRED. MAINTENANCE OF MULCH AND SOIL IS LIMITED TO CORRECTING AREAS OF EROSION OR WASH OUT. ANY MULCH REPLACEMENT SHALL BE DONE IN THE SPRING. PLANT MATERIAL SHALL BE CHECKED FOR DISEASE AND INSECT INFESTATION AND MAINTENANCE WILL ADDRESS DEAD MATERIAL AND PRUNING.
- B. SCHEDULE OF PLANT INSPECTION WILL BE TWICE A YEAR IN SPRING AND FALL. THIS INSPECTION WILL INCLUDE REMOVAL OF DEAD AND DISEASED VEGETATION CONSIDERED BEYOND TREATMENT, TREATMENT OF ALL DISEASED TREES AND SPRING AND REPLACEMENT OF ALL DEFICIENT STEMMS AND BRANCHES.
- C. MULCH SHALL BE INSPECTED EACH SPRING. REMOVE PREVIOUS MULCH LAYER BEFORE APPLYING NEW LAYER ONCE EVERY 2 TO 3 YEARS.
- D. SOIL EXPOSURE TO BE ADDRESSED ON AN AS NEEDED BASIS, WITH A MINIMUM OF ONCE PER MONTH AND AFTER HEAVY STORM EVENTS.

SWM DATA * (SEE NOTE)	
EXIST. CONDITIONS	DEVELOPED CONDITIONS
AREA TO RUN	AREA TO RUN
Q ₁₀	Q ₁₀
Q ₁₀₀	Q ₁₀₀
ESD _v	ESD _v
REV	REV
FLUMBY	FLUMBY

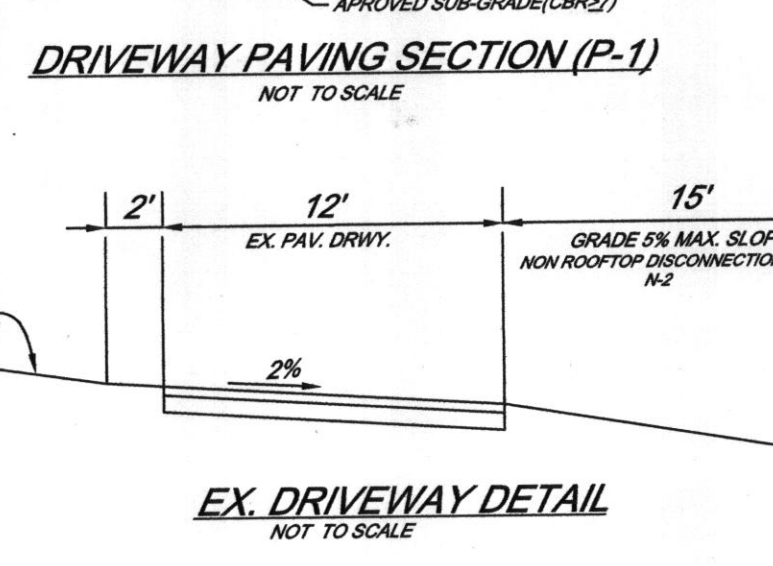
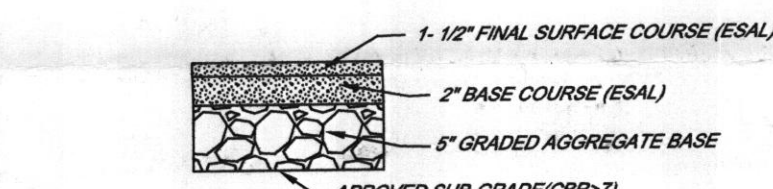
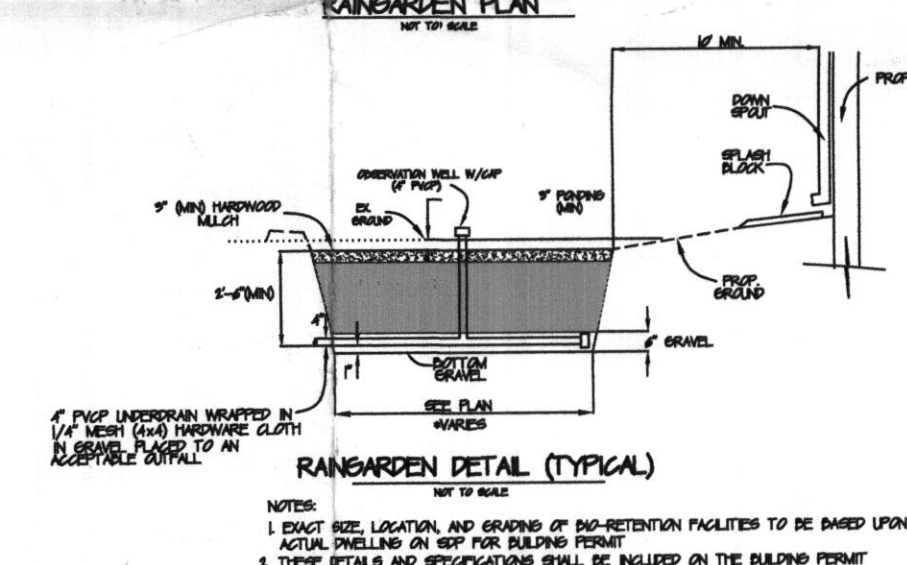
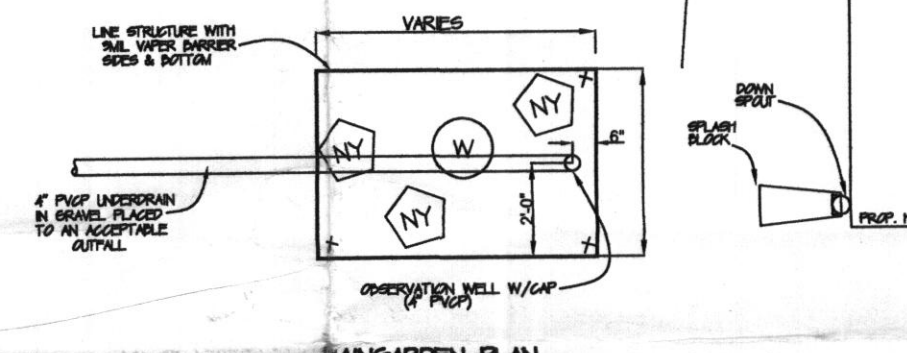
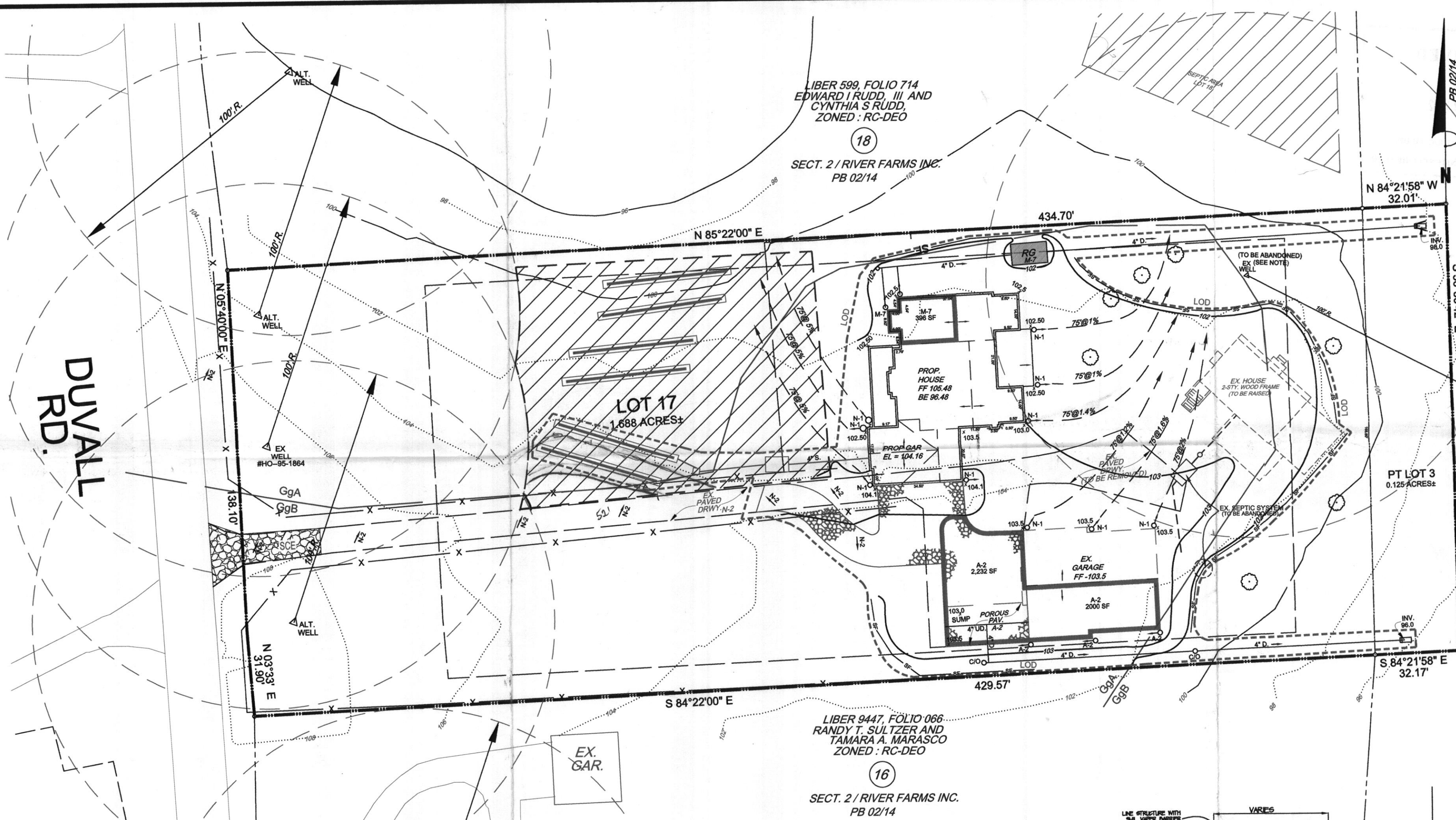
- * DEVELOPED CONDITIONS Q₁₀ = 0.28 CFS CHANNEL PROTECTION NOT REQD. NO SIGNIFICANT INCREASE IN RUNOFF Q₁₀ AND Q₁₀₀ STORM WATER MANAGEMENT NOT REQD.
- * WATER QUALITY MANAGEMENT SATISFIED BY TAKING CREDIT 5 FOR DISCONNECTED RUNOFF PER MDE 2002 VOL. 1, SEC. 9.2 & 9.3
- * GRANDWATER REQUIREMENT SATISFIED BY THE PERCENT AREA METHOD AS PER MDE 200 VOL. 1, SEC. 2.3

RAINGARDEN FACILITY SCHEDULE					
NO.	DIMENSIONS	TOP ELEV.	BOT. ELEV.	IN. OUT.	OUTFALL
LOT 17	6'x7'	101.75	93.75	22.5	28.0

RAINGARDEN AREA PLANT LIST				
SYMBOL	QUANTITY	BOTANICAL / COMMON NAME	SIZE	CONTAINER
①	9 EA	LEW. VERTICILLATA - WINTERBERRY	1-1/2"	1-GAL. CONTAINER
②	4 EA	VERONICA HEDERACERAS - NEW YORK PLAINWEED	1-1/2"	1-GAL. CONTAINER

SITE ANALYSIS		1.813 ACRES
TOTAL AREA SITE		26,228 SF
AREA DISTURBED		5,289 SF
AREA TO BE ROOFED		8,007 SF
AREA TO BE PAVED		11,166 SF
TOTAL IMPERVIOUS AREA		22,075 SF
AREA TO BE VEGETATIVELY STABILIZED		810 CY
TOTAL VOLUME CUT		512 CY

SWM REQUIREMENTS		1.813 ACRES
PERCENT IMPERVIOUS	= 14.12%	RCN = 63, TYPE B' SOIL
ESD VOL.	= 1165 CU.-FT.	SATISFIED BY DISCONNECTED RUNOFF.
ESD VOL.	= 35 CU.-FT.	SATISFIED BY RAIN GARDEN
ESD VOL.	= 269 CU.-FT.	SATISFIED BY POROUS PAVEMENT



LEGEND-SWM- MDE DESIGNATION

- DOWN SLOPE N-1 DENOTES ROOF-TOP RUNOFF DISCONNECT
- DRIVEWAY SLOPE N-2 DENOTES NON-ROOF-TOP RUNOFF DISCONNECT (EXISTING DRIVEWAY, PAVEMENT)
- PERFORATED PVC A-2 DENOTES POROUS PAVEMENT
- RG M-7 DENOTES RAIN GARDEN

SIMPLIFIED ENVIRONMENTAL CONCEPT PLAN NARRATIVE

1. THERE ARE NO STREAMS, WETLANDS, FLOOD PLAINS AND FOREST LOCATED ON THE SUBJECT PROPERTY. EXISTING TREES LOCATED ON SITE ARE PROTECTED TO THE MAXIMUM EXTENT POSSIBLE. THE ON-SITE SEWAGE DISPOSAL AREA WAS RELOCATED AS FAR FORWARD ON THE PROPERTY AS POSSIBLE IN ORDER TO SAVE AN EXISTING 46' MAPLE TREE. STORM WATER MANAGEMENT FOR WATER QUALITY IS PROVIDED BY NON-STRUCTURAL RUNOFF REDUCING PRACTICES. TO LIMIT THE IMPACT OF THE DEVELOPMENT ON NATURAL RESOURCES
2. GRADING ON SITE IS LIMITED TO ONLY THAT REQUIRED TO ACCOMPLISH DISCONNECTS FOR ROOF-TOP RUNOFF WHILE MAINTAINING NATURAL FLOW PATTERNS.
3. IMPERVIOUS AREA WAS HELD TO THE MINIMUM REQUIRED TO ACCOMPLISH THE WORK. EXISTING IMPERVIOUS AREA WAS ELIMINATED WHERE POSSIBLE AND POROUS PAVEMENT IS PROPOSED FOR NEW PAVEMENT.
4. TEMPORARY PERIMETER SEDIMENT CONTROL IN THE FORM OF SUPER SILT FENCE IS PROPOSED IN ORDER TO PROVIDE SWM BY RUNOFF REDUCTION DURING CONSTRUCTION.
5. ENVIRONMENTAL SITE DESIGN HAS BEEN IMPLEMENTED TO THE MAXIMUM EXTENT POSSIBLE BY THE USE OF ROOFTOP AND NON-ROOFTOP DISCONNECTS AND POROUS PAVEMENT.
6. NO WAIVERS FROM THE SUBDIVISION REGULATIONS AND OR DESIGN MANUAL ARE REQUIRED FOR THE PROJECT AS SHOWN HEREON.

HEALTH DEPARTMENT NOTES:

1. THE EXISTING HOUSE ON LOT 17 MUST BE RAZED PRIOR TO USE AND OCCUPANCY OF THE NEW RESIDENCE ON LOT 17.
2. THE BURIED WELL ON LOT 17 MUST BE SEALED BY A LICENSED WELL DRILLER AND THE EXISTING SEPTIC SYSTEM MUST BE PROPERLY ABANDONED PRIOR TO USE AND OCCUPANCY OF THE NEW RESIDENCE ON LOT 17. DOCUMENTATION OF BOTH MUST BE RECEIVED AND APPROVED BY THE HEALTH DEPARTMENT PRIOR TO RELEASE OF USE & OCCUPANCY PERMIT.

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 7893 EXPIRATION DATE 4-22-2012

Charles R. Crocken
CHARLES R. CROCKEN, PE, MD, LICENSE REG. NO. 7893
12-10-2012
DATE

LEGEND

- EX. PROPERTY LINE
- EX. RIGHT-OF-WAY
- PROP. LOT LINES
- EX. EASEMENTS
- EX. CONTOURS
- PROP. CONTOURS
- EX. TREES/WOODS LINE
- SOILS LINE
- LIMIT OF DISTURBANCE
- DENOTES SLOPES 25% OR GREATER
- DENOTES SLOPES 15-25%
- EX. SEWAGE DISPOSAL AREA
- STABILIZED CONSTRUCTION ENTRANCE
- SUPER SILT FENCE
- SILT FENCE
- RAIN GARDEN

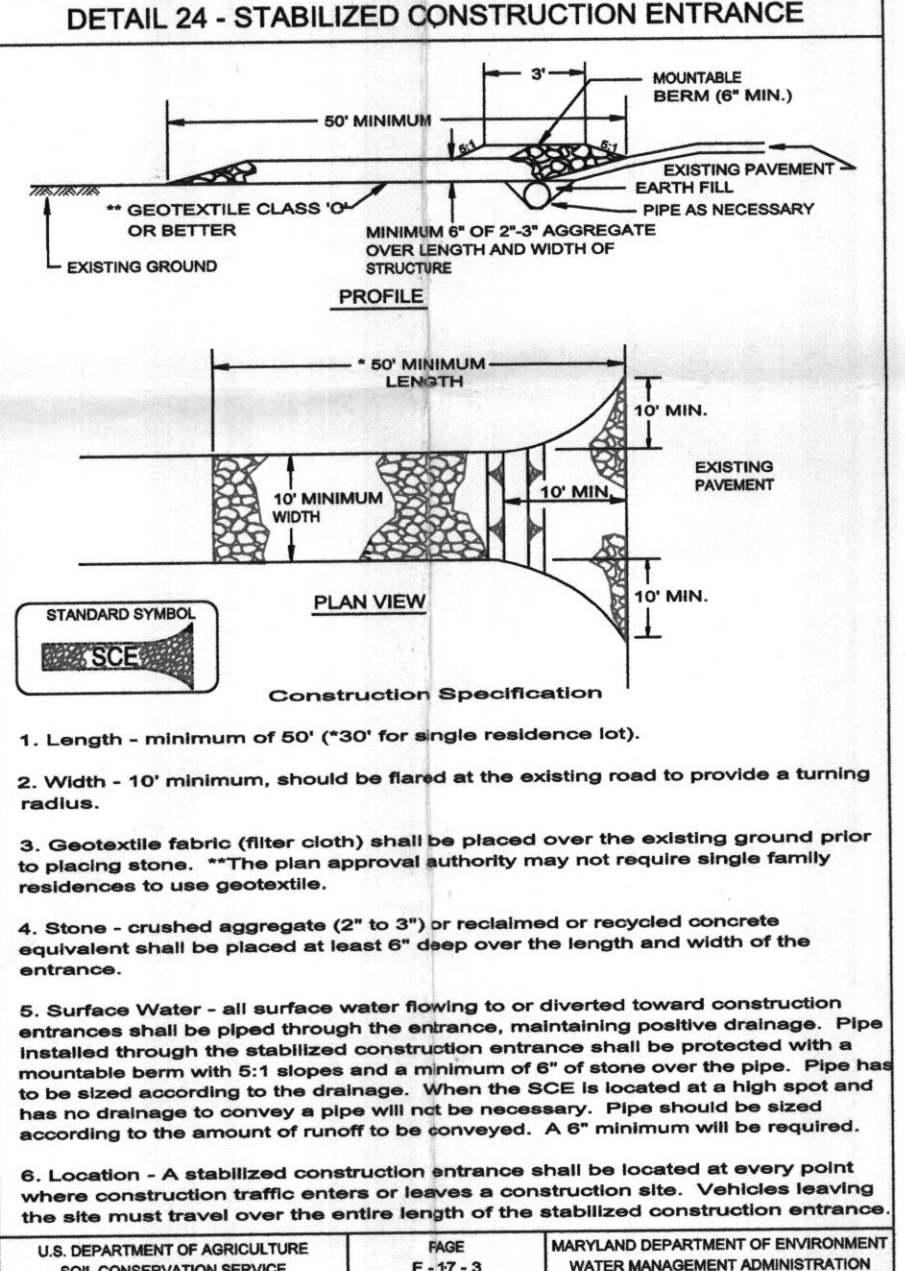
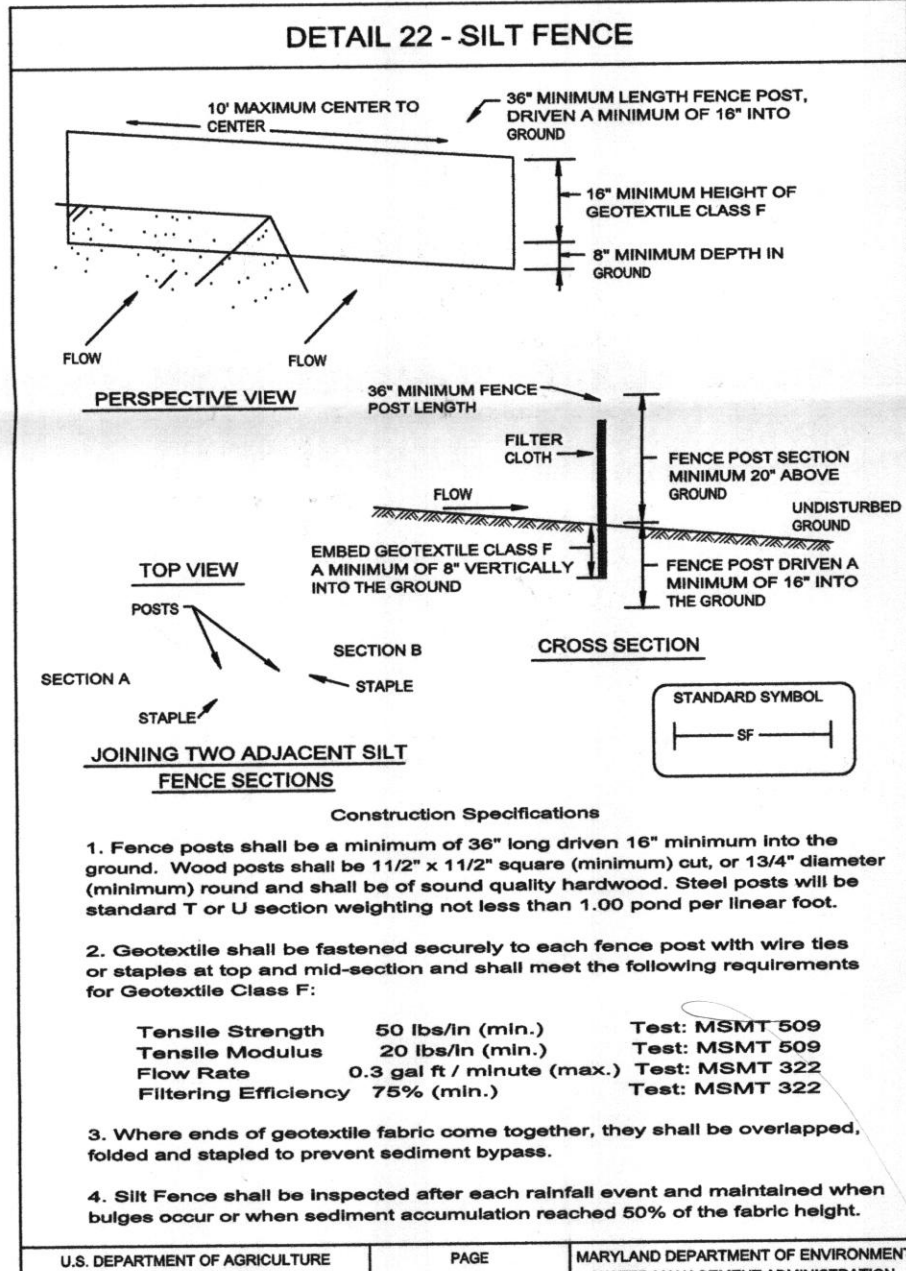
HEALTH DEPT. PLAN

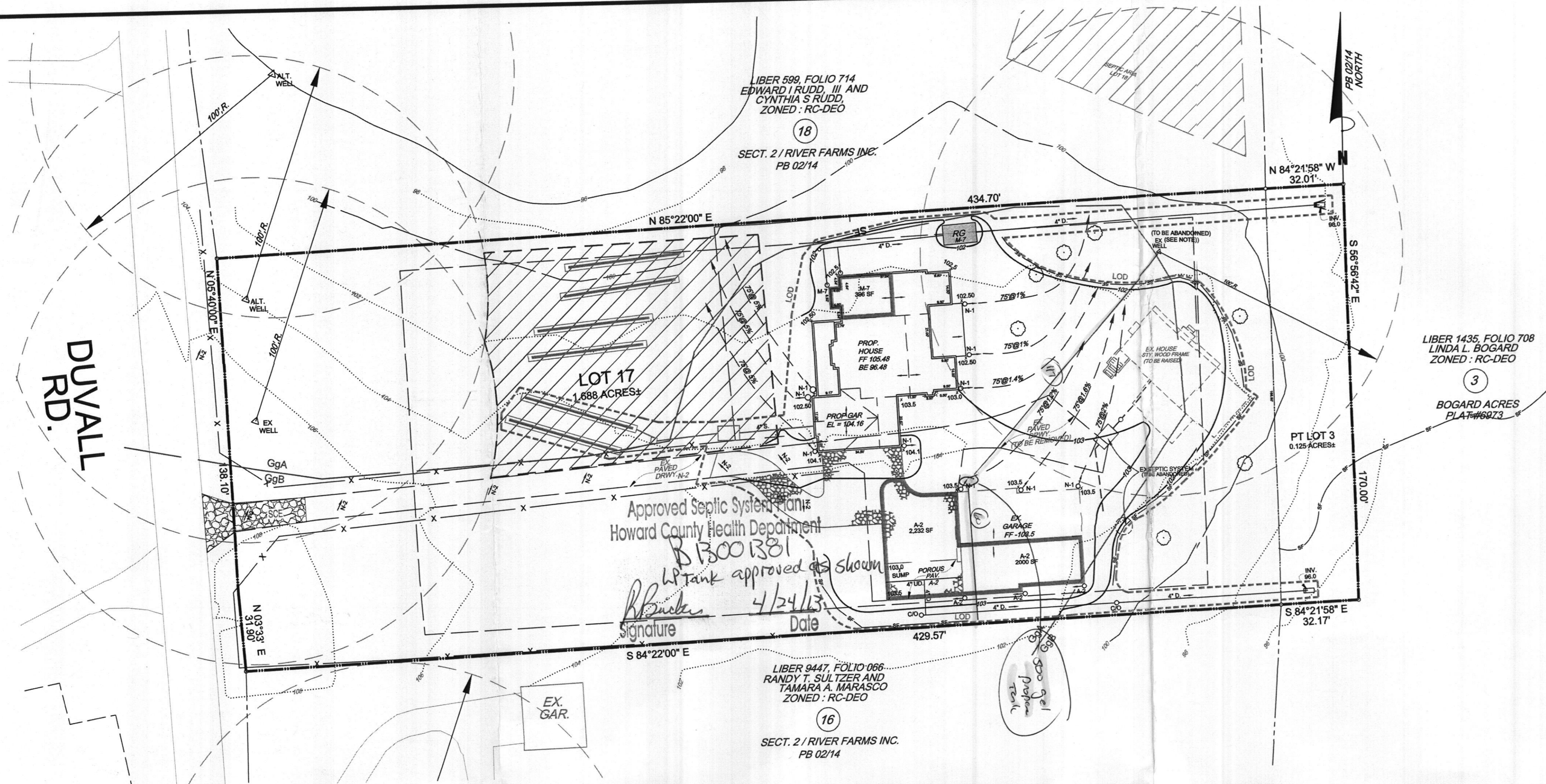
DEVELOPER:
CUMBERLAND DEVELOPMENT CORP.
C/O CURTIS CUMBERLAND
16391 A.E. MULLINX RD.
WOODBINE MD 21797

NON-SDP RESIDENTIAL PLOT PLAN		ZONED - "RC-DEO"	
LOT 17		HOWARD COUNTY, MARYLAND	
RIVER FARMS SUBDIVISION			
DEED REF. LIBER 12273 / FOLIO 0310			
# 2983 DUVALL ROAD			
TAX MAP 20 GRID 3 PARCEL 115	PROJECT NO.:	DESIGNED BY: C.R.C.	
DATE: 12-10-2012	REVISION:	DRAWN BY: C.H.C.	
DATE: 12-10-2012		SCALE: 1" = 30'	
DATE: 12-10-2012		DRAWING NO. 1 OF 1	

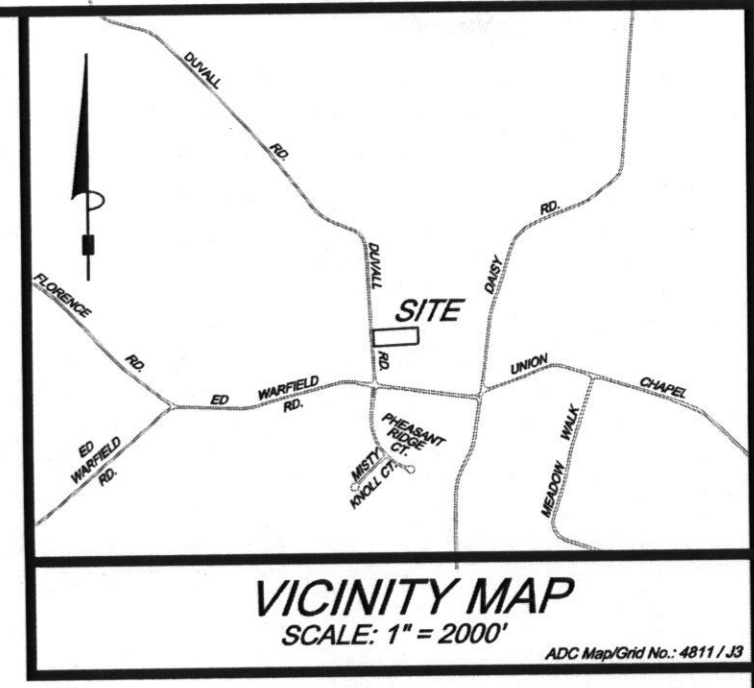
Prepared by: CHARLES R. CROCKEN AND ASSOCIATES, INC.
Civil Engineering - Land Planning
902 LEE AVE.
SYKESVILLE, MD 21784
Tel. (410) 549-2708
Fax. (410) 549-9063

Professional Engineer Seal: CHARLES R. CROCKEN, PE, MD, LICENSE NO. 7893, EXPIRATION DATE 4-22-2012





SOILS LEGEND		
SYMBOL	NAME/DESCRIPTION	SOIL GROUP
GgA	Glenalg loam, 8 to 15 percent slopes	B
GgB	Glenalg loam, 8 to 15 percent slopes	B



REQUIRED SEQUENCE OF CONSTRUCTION

1. OBTAIN GRADING PERMIT (1-DAY)
2. CLEAR AND GRUB FOR INSTALLATION OF TEMPORARY SEDIMENT CONTROL MEASURES, SILT FENCE AND STONE CONSTRUCTION ENTRANCE. (12 DAY)
3. INSTALL TEMPORARY SEDIMENT CONTROL MEASURES (12 DAY)
4. UPON APPROVAL OF SEDIMENT CONTROL INSPECTOR CLEAR AND GRUB SITE FOR CONSTRUCTION OF DWELLING, DRIVEWAY AND WALKS. (1 DAY)
4. GRADE SITE AND CONSTRUCT DWELLING, DRIVEWAY AND WALKS PER APPROVED PLAN (12 - WEEKS)
5. STABILIZE ALL DISTURBED AREAS WITH SEED AND MULCH PER SCS STANDARDS. (2 DAYS)
6. UPON APPROVAL OF THE SEDIMENT CONTROL INSPECTOR REMOVE ALL TEMPORARY SEDIMENT CONTROL MEASURES AND STABILIZE ALL DISTURBED AREAS PER SCS STANDARDS. (2 DAYS)

GENERAL NOTES:

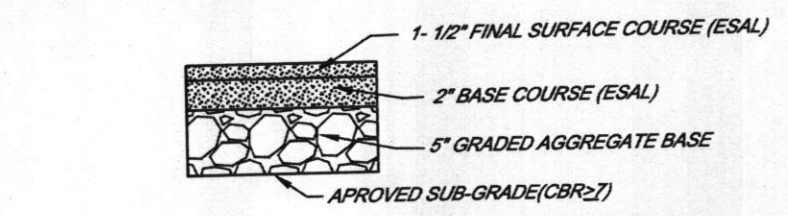
1. OWNERS: CURTIS CUMBERLAND
MARYANNE CUMBERLAND
DEED REFERENCE, LIBER 12273, FOLIO 310
DATE, JANUARY 25, 2010
GRANTOR, CURTIS CUMBERLAND
2. TAX MAP 013, GRID 18, PARCEL 096
3. THE BOUNDARY SHOWN HEREON IS BASED UPON CURRENT TITLE DEED.
4. NEAREST PUBLIC WATER SUPPLY, DAMASCUS, DISTANCE 5 MILES. THERE IS NO 100 YEAR FLOOD PLAIN LOCATED ON THIS PROPERTY BASED ON FEMA INSURANCE RATE MAP COMMUNITY PANEL #240044-00019 B, 12/4/86.
5. TOPOGRAPHY SHOWN HEREON IS FROM HOWARD COUNTY GIS DATA, DATUM IS NAVD88 AND CONTOUR INTERVAL IS 2 FT. FIELD CHECKED BY CRC & ASSOC.
6. THERE ARE NO WELLS OR SEPTIC SYSTEMS WITHIN 100 FT OF THE SUBJECT PROPERTY UNLESS OTHERWISE SHOWN HEREON.
7. EXISTING WELLS SHOWN HEREON HAVE BEEN FIELD LOCATED.
8. SUBJECT PROPERTY IS ZONED RC-DEO.
9. THE SUBJECT PROPERTY SHOWN HEREON IS NOT SUBJECT TO ANY ZONING CASES VARIANCES OR SPECIAL EXCEPTIONS.
10. STORMWATER MANAGEMENT FOR THE SUBJECT PROPERTY SHOWN HEREON HAS BEEN SATISFIED BY TAKING CREDIT FOR DISCONNECTED ROOF TOP AND NON-ROOF TOP RUNOFF IN ACCORDANCE WITH MDE STORM WATER DESIGN MANUAL VOL. 1, SEC. 5.1 AND MDE ENVIRONMENTAL SITE DESIGN (ESD), THE HOWARD CO. DESIGN MANUAL VOL. 1, CHAPTER 5 REVISED AND THE HOWARD CO. DESIGN ESD'S ON SMALL PROJECTS.
12. THIS PROJECT IS EXEMPT FROM THE REQUIREMENTS OF FOREST CONSERVATION IN ACCORDANCE WITH SECTION 16.1202(B)(2)(I)(A) OF THE HOWARD COUNTY SUBDIVISION REGULATIONS, SINCE THE TOTAL CUTTING, CLEARING OR GRADING OF FOREST RESOURCES IS LESS THAN 20,000 SQUARE FEET, AND THE FOREST RESOURCES AFFECTED BY THE DEVELOPMENT ARE NOT SUBJECT TO A PREVIOUSLY APPROVED FOREST CONSERVATION PLAN.
13. APPROVAL OF THIS SIMPLIFIED ECP DOES NOT CONSTITUTE AN APPROVAL OF ANY SUBSEQUENT AND ASSOCIATED SUBDIVISION, SITE DEVELOPMENT PLAN AND/OR PERMITS.

SITE ANALYSIS

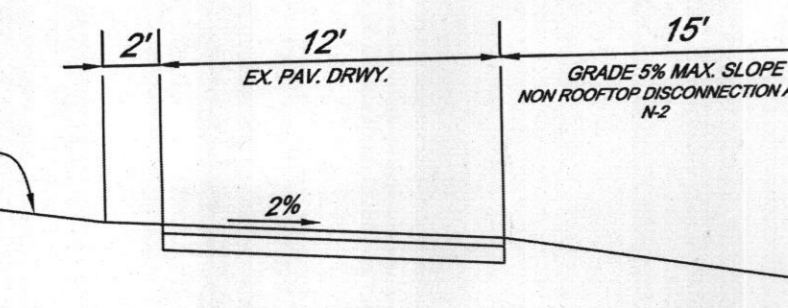
TOTAL AREA SITE	1.813 ACRES
AREA DISTURBED	26,626 SF
AREA TO BE ROOFED	5,289 SF
AREA TO BE PAVED	5,907 SF
TOTAL IMPERVIOUS AREA	11,196 SF
AREA TO BE VEGETATIVELY STABILIZED	22,075 SF
TOTAL VOLUME CUT	810 CY
TOTAL VOLUME FILL	512 CY

SWM REQUIREMENTS

TOTAL AREA SITE 1.813 ACRES
PERCENT IMPERVIOUS = 14.12%, RCN = 63, TYPE 'B' SOIL
P = 1.0', ESD VOL. = 1165 CU.-FT., SATISFIED BY DISCONNECTED RUNOFF.
ESD VOL. = 35 CU.-FT., SATISFIED BY RAIN GARDEN.
ESD VOL. = 280 CU.-FT., SATISFIED BY POROUS PAVEMENT



DRIVEWAY PAVING SECTION (P-1)
NOT TO SCALE



EX. DRIVEWAY DETAIL
NOT TO SCALE

LEGEND-SWM- MDE DESIGNATION

- DOWN SLOPE N-1 DENOTES ROOF-TOP RUNOFF DISCONNECT
- UPPER SLOPE N-2 DENOTES NON-ROOFTOP RUNOFF DISCONNECT (EXISTING DRIVE, PAVEMENT)
- POROUS PAVEMENT A-2 DENOTES POROUS PAVEMENT
- RC M-7 DENOTES RAIN GARDEN

SIMPLIFIED ENVIRONMENTAL CONCEPT PLAN NARRATIVE

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CHARLES R. CROCKEN, PE MD. LICENSE REG. NO. 7803 DATE

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WOODBINE MD 21797

REVISION		DATE	

SIMPLIFIED ENVIRONMENTAL CONCEPT PLAN

LOT 17
RIVER FARMS SUBDIVISION
DEED REF. LIBER 12273 / FOLIO 0310
2983 DUVALL ROAD

TAX MAP 13 GRID 18 PARCEL 96
4TH ELECTION DISTRICT

ZONED - "RC-DEO"
HOWARD COUNTY, MARYLAND

Prepared by: CHARLES R. CROCKEN AND ASSOCIATES, INC.
Civil Engineering - Land Planning
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Tel. (410) 549-2708
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TAX MAP 20 GRID 3 PARCEL 115	PROJECT NO.:
DESIGNED BY: C.R.C.	DATE: OCTOBER, 2012
DRAWN BY: C.H.C.	SCALE: 1" = 30'
PROFESSIONAL ENGINEER NO.:	DRAWING NO. 1 OF 1

